

Title (en)

APPARATUS FOR LIMITING GROWTH OF EYE LENGTH

Title (de)

VORRICHTUNG ZUR BEGRENZUNG DES AUGENLÄNGENWACHSTUMS

Title (fr)

APPAREIL PERMETTANT DE LIMITER LA CROISSANCE DE LA LONGUEUR DE L' OEIL

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Application

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Abstract (en)

An ophthalmic lens is disclosed that comprises a first area comprising a plurality of elements selected from the group consisting of: bumps on a surface of the lens; depressions on the surface of the lens; translucent inclusions in a lens material; and transparent inclusions in the lens material, the transparent inclusions having a refractive index different from that of the lens material; and a second area surrounded by the first area, the second area being free of the elements, wherein a density, dimension, and material of the elements are selected to reduce a visual acuity from 20/20 when a line of sight passes through the second area to about 20/25 when the line of sight passes through the first area. Further, a pair of eyeglasses is disclosed that comprises a first ophthalmic lens and a second ophthalmic lens, each of the first and second ophthalmic lenses comprising a pattern of elements selected from the group consisting of: bumps on a surface of a corresponding lens from said first and second lenses; depressions on the surface of the corresponding lens; translucent inclusions in a corresponding lens material; and transparent inclusions in the corresponding lens material, the transparent inclusions having a refractive index different from that of the corresponding lens material; and wherein each of the patterns of the first and second ophthalmic lenses has an area of higher element density in a peripheral region of the corresponding lens as compared to an element density in a central region of the corresponding lens.

IPC 8 full level

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